Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Withdrawn) An optical measurement system comprising a plurality of light irradiation portions, light from said light irradiation portions being irradiated onto a body to be inspected; and a plurality of detecting portions for detecting light from said body to be inspected, which further comprises:

a display portion for displaying box-shaped pictures for indicating positions of said irradiation positions or said detecting portions;

a display portion for displaying box-shaped pictures for indicating measurement positions located between said irradiation positions and said detecting portions; and

a function to detect that either of said irradiation position or said detecting portion does not have a function of irradiation or detection and to change the box-shaped picture indicating one of said measurement positions corresponding to said irradiation position and said detecting position.

2. (Withdrawn) An optical measurement method comprising:

a process for indicating an irradiation position and a light detecting position;

a process for indicating a measurement position and a states of allocating number to said measurement position; and

a process for disposing said processes in a screen of a display portion.

3. (Previously Presented) An optical measurement system comprising:

means for displaying a number of measurement points;

means for indicating a light irradiation position and a light detecting position;

means for displaying a measurement position and a state of allocating a number to said measurement position;

means for displaying measuring time sequence data;

means for setting a condition of acquiring data;

means for displaying a status of acquiring said data;

means for instructing control of measurement; and

means for marking a mark at a position measuring time sequence data.

4. (Previously Presented) An optical measurement system according to claim 3, wherein said means for setting a condition of acquiring data comprises means for specifying and displaying a time interval of acquiring data by a light signal from a body to be inspected; means for indicating a number for acquiring said data; and means for indicating an elapsing time of measuring said data.

5. (Previously Presented) An optical measurement system according to claim 3, wherein said means for instructing control of measurement comprises means for instructing initiating of measurement; means for instructing completing of acquiring said data; and means for instructing completing of measurement inspection.

6. (Previously Presented) An optical measurement system according to claim 3, wherein said measurement time sequence data display is displayed largely and arranged so as to not overlap said measurement position display, said condition of acquiring data, said display of a status of acquiring said data, said instructing control of measurement and said mark for marking a mark at a position on said measurement instruction portion.

7. (Previously Presented) An optical measurement system comprising:

means for specifying a selected mode;

means for displaying a number of measurement points;

means for indicating a light irradiation position and a light detecting position;

means for displaying a measurement position and a state of allocating a number to said measurement position; and

means for indicating a period during adjusting gain.

8. (Previously Presented) An optical measurement system comprising:

means for specifying a selected mode;

means for displaying a number of measurement points;

means for indicating alight irradiation position and a light detecting position;

means for displaying a measurement position and a state of allocating a number to said measurement position; and

means for displaying an abnormality.

9. (Previously Presented) An optical measurement system according to claim 8, wherein said means for displaying an abnormality comprises means for instructing completion of an operation in progress; means for instructing gain adjustment again; and means for instructing to continue the operation by neglecting occurrence of the abnormality.

10. (Canceled)

11. (Previously Presented) An optical measurement system comprising:

means for specifying a selected mode;

means for displaying a number of measuring times of measurement points;

means for indicating a light irradiation position and a light detecting position;

means for displaying a measurement position and a state of allocating a number to said measurement position;

means for displaying measuring time sequence data;

means for setting a condition of acquiring data;

means for displaying a status of acquiring said data;

means for instructing control of measurement;

means for marking a mark at a position on measuring time sequence data; and

means for providing a tentative measurement instruction by actual signals.

12. (Previously Presented) An optical measurement system according to claim 11, wherein said means for providing a tentative measurement instruction comprises at least means for instructing a magnification of a graph.

13. – 15. (Canceled)

16. (Withdrawn) An optical measurement system comprising functions of:

performing an initial display for selectively instructing anyone of selection of optical measurement, analysis of said optical measurement result and completion of a program;

inputting items of condition including a measurement mode;

displaying a state expressing relationship among light irradiation positions and light detection positions and measurement positions so as to meet said mode;

instructing to form a file for storing said optical measurement result; instructing a measurement condition to detect light signals from the inside of a body to be inspected which is irradiated by a multi-wavelength multi-channel; and

displaying said signals for each channel detected according to said instructing results.

17. – 19. (Canceled).

20. (Previously Presented) An optical measurement according to claim 3, further comprising means for specifying a selected mode.